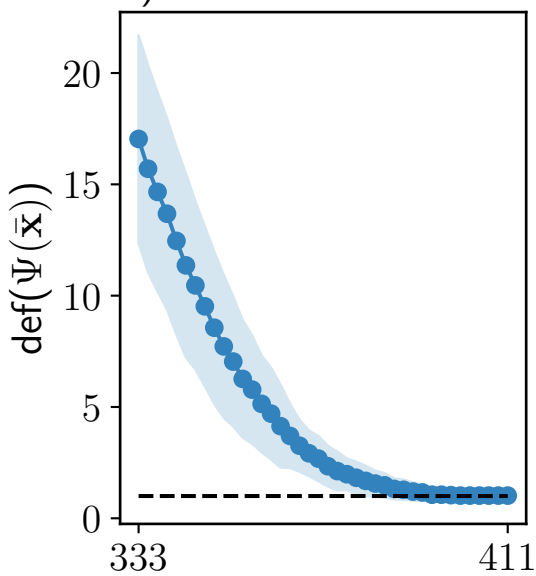
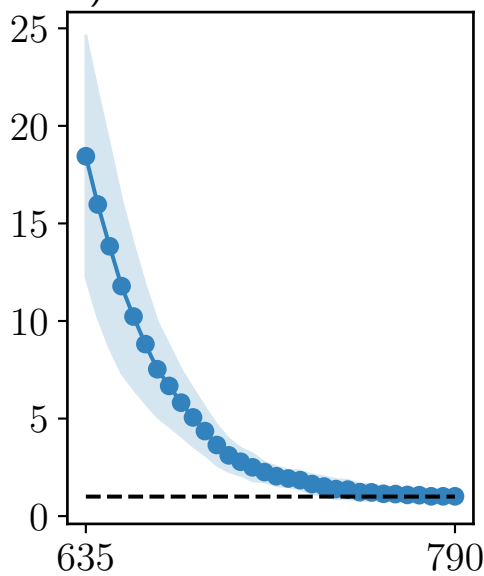
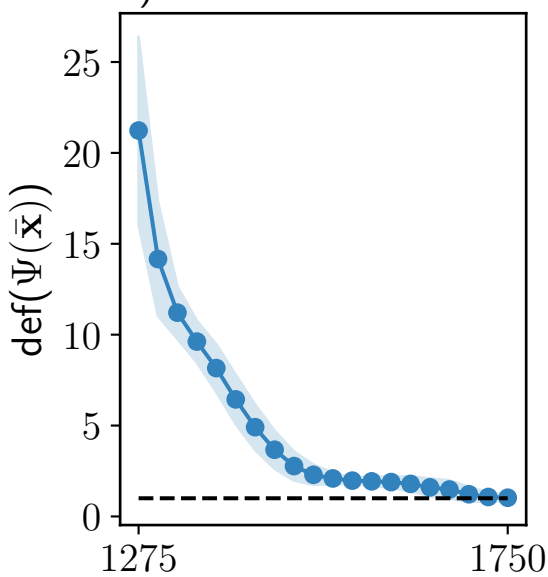
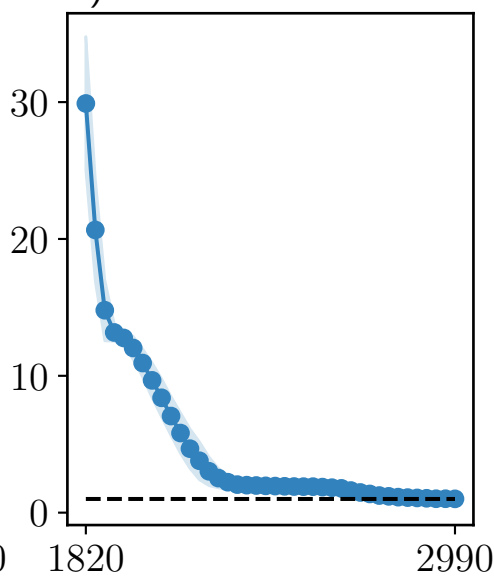
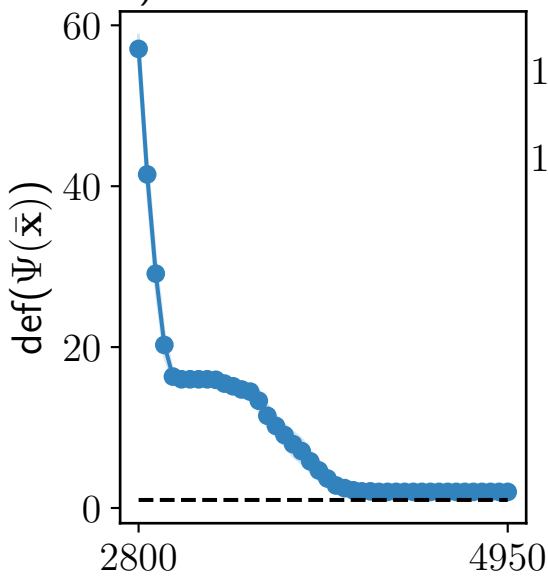


a)  $N = 5$ b)  $N = 7$ c)  $N = 10$ d)  $N = 12$ e)  $N = 15$ f)  $N = 20$ 